

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2450	((smart OR adaptive) ADJ2 antenna).ti,ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:06
L2	91	L1 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing OR weight\$3)) AND ((array OR antenna ADJ element) WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:00
L3	814	(342/417,422-423).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/28 16:01
L4	31	L3 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing OR weight\$3)) AND ((array OR antenna ADJ element) WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:07
L5	120	L2 OR L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:07
L6	1	L5 AND (path ADJ search).ti,ab, bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:08
L7	3	L5 AND (correlat\$3 WITH pilot WITH (subcarrier OR sub-carrier))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:13

## EAST Search History

L9	4047	((smart OR adaptive) ADJ2 antenna).ti,ab,bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:07
L10	275	L9 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing OR weight\$3)) AND ((array OR antenna ADJ element) WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:07
L11	300	L2 OR L4 OR L10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:57
L12	5	L11 AND (path ADJ search).ti,ab,bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:08
L13	0	("6968169").URPN.	USPAT	OR	ON	2007/02/28 16:10
L14	5	("2002/0072343").URPN.	USPAT	OR	ON	2007/02/28 16:10
L15	3	L11 AND (correlat\$3 WITH pilot WITH (subcarrier OR sub-carrier))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:14
L16	12	L11 AND (correlat\$3 WITH pilot WITH (subcarrier OR sub-carrier OR subband OR subband OR band))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:18
L17	3	L11 AND (correlat\$3 WITH pilot WITH (subcarrier OR sub-carrier OR subband OR subband))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:19

## EAST Search History

L18	4	L11 AND (correlat\$3 WITH (pilot OR reference) WITH (subcarrier OR sub-carrier OR subband OR subband))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:20
L19	3	L11 AND (correlat\$3 WITH (pilot OR (reference ADJ signal)) WITH (subcarrier OR sub-carrier OR subband OR subband))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:20
L20	7	L11 AND (correlat\$3 WITH (pilot OR (reference ADJ signal)) WITH (direction OR DOA OR angle OR AOA OR bearing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:21
L21	7	L11 AND (correlat\$3 WITH (pilot) WITH (direction OR DOA OR angle OR AOA OR bearing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:23
L22	7	L11 AND ((correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (direction OR DOA OR angle OR AOA OR bearing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:27
L23	7	((correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (subcarrier OR sub-carrier) WITH (direction OR DOA OR angle OR AOA OR bearing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:34
L24	4	L23 NOT L22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:31
L25	12	MASUI-ATSUYOSHI.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:31

## EAST Search History

L26	13	((correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (subcarrier OR sub-carrier) SAME (direction OR DOA OR angle OR AOA OR bearing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:41
L27	6	L26 NOT L23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:35
L28	15	((correlat\$3 OR covariance OR co-variance) WITH (pilot OR reference ADJ signal) WITH (subcarrier OR sub-carrier) SAME (direction OR DOA OR angle OR AOA OR bearing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:45
L29	2	L28 NOT L26	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:42
L33	85	(correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (subcarrier OR sub-carrier)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 17:05
L34	11	(correlat\$3 OR covariance OR co-variance) WITH (pilot) WITH (subcarrier OR sub-carrier) SAME (path OR multipath OR multi-path)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:46
L35	61	L11 AND (music OR esprit OR capon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 16:58
L36	32	L35 AND (correlat\$3 OR covariance OR co-variance) WITH (direction OR DOA OR angle OR AOA OR bearing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 17:00

## EAST Search History

L37	5	L35 AND (correlat\$3 OR covariance OR co-variance) WITH (direction OR DOA OR angle OR AOA OR bearing) WITH (pilot OR reference ADJ signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 17:04
L38	1	L35 AND (correlat\$3 OR covariance OR co-variance) WITH (direction OR DOA OR angle OR AOA OR bearing) WITH (subcarrier OR sub-carrier OR subband OR sub-band OR subband)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 17:01
L39	10	L35 AND (correlat\$3 OR covariance OR co-variance) WITH (direction OR DOA OR angle OR AOA OR bearing) WITH (path OR multipath OR multi-path OR delay ADJ profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 17:02
L40	5	L35 AND (correlat\$3 OR covariance OR co-variance) WITH (multipath OR multi-path OR path OR delay ADJ profile) WITH (pilot OR reference ADJ signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 17:04
L41	13	(correlat\$3 OR covariance OR co-variance) WITH (pilot OR reference ADJ signal) WITH (direction OR DOA OR angle OR AOA OR bearing) AND (music OR esprit OR capon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 17:09
L42	30	(correlat\$3 OR covariance OR co-variance) WITH (pilot OR reference ADJ signal) WITH (path OR multipath OR multi-path OR delay ADJ profile) AND (music OR esprit OR capon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 17:13
L44	5	(correlat\$3 OR covariance OR co-variance) WITH (pilot OR reference ADJ signal) WITH (path OR multipath OR multi-path OR delay ADJ profile) SAME (direction OR DOA OR angle OR AOA OR bearing) AND (music OR esprit OR capon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 17:13
S1	4	2002/0085653	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:29

## EAST Search History

S2	2	EP-1220506-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 16:25
S3	3	"7103119".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/28 16:26
S4	3	"20020085653"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 14:29
S5	3	("5933421"   "5973642"   "6249249").PN. OR ("7103119"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/27 18:09
S6	1	"6529745".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/27 18:10
S7	1	"6351238".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/27 18:10
S8	1	"6333713".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/27 18:12
S9	1	"6642888".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/27 18:14
S10	1	"7088956".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/02/27 18:32
S11	3650	(342/81,157,359-360,368,373, 377,385,417,422-423).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 18:35
S12	814	(342/417,422-423).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/27 18:35

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S13	2450	((smart OR adaptive) ADJ2 antenna).ti,ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:37
S14	0	S12 AND ((subcarrier OR sub-carrier) WITH (direction OR DOA OR angle OR bearing)).ti,ab, bsum,clm. AND array.ti,ab,bsum, clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:42
S15	0	S12 AND ((subcarrier OR sub-carrier) WITH (direction OR DOA OR angle OR bearing)) AND array.ti,ab,bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:40
S16	1	S12 AND ((subcarrier OR sub-carrier) WITH (direction OR DOA OR angle OR bearing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:41
S17	265	S12 AND ((subcarrier OR sub-carrier OR frequency) WITH (direction OR DOA OR angle OR bearing))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:41
S18	70	S12 AND ((subcarrier OR sub-carrier OR carrier OR frequency OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti,ab, bsum,clm. AND array.ti,ab,bsum, clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:44
S19	36	S12 AND ((subcarrier OR sub-carrier OR carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti,ab,bsum,clm. AND array.ti,ab,bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:44
S20	26	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab,bsum,clm. AND array.ti,ab, bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:49

## EAST Search History

S21	40	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab,bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:46
S22	0	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab. AND array.ti,ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:48
S23	16	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab,bsum,clm. AND (array WITH (phase\$1 OR weight\$3)).ti,ab, bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:52
S24	28	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)) AND (array WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:46
S25	14	S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)).ti, ab,bsum,clm. AND (array WITH (phase\$1 OR weight\$3)).ti,ab, bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:56
S26	41	S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)) AND (array WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:56
S27	28	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing)) AND (array WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:55
S28	44	S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing)) AND (array WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/28 15:59



## EAST Search History

S29	14	S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR AOA OR bearing)).ti,ab,bsum,clm. AND (array WITH (phase\$1 OR weight\$3)).ti,ab,bsum,clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 18:56
S30	46	S13 AND ((subcarrier OR sub-carrier OR subband OR subband OR band OR OFDM) WITH (direction OR DOA OR angle OR AOA OR bearing)) AND (array WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:41
S31	28	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band OR OFDM) WITH (direction OR DOA OR angle OR bearing)) AND (array WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:42
S32	31	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR DOA OR angle OR bearing)) AND ((array OR (antenna NEAR element)) WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:46
S33	31	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR directivity OR DOA OR angle OR bearing)) AND ((array OR (antenna NEAR element)) WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:53
S34	31	S12 AND ((subcarrier OR sub-carrier OR subband OR subband OR band) WITH (direction OR directivity OR DOA OR angle OR bearing OR weight\$3)) AND ((array OR (antenna NEAR element)) WITH (phase\$1 OR weight\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/27 19:53